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*[Continued on next page]*

(54) Title: METHODS AND REAGENTS FOR TREATING, PREVENTING AND DIAGNOSING *BUNYAVIRUS* INFECTION

DNA: AGTAGTGTACTACCAAGTATAGATAACGTTGAAATAATTAAAGTTTGAA	51
DNA: AAAGCCAAGATGATTGTATATTGGTCTATTACRAGTGCAGCTGCCAG	102
M(1):: M I C I L V L I T V A A S	
DNA: CCCAGTGTATCAAAGGTGTTCCAGATGGGCTATAGTGAACGAAACCC	153
M(15): P V Y Q R C F Q D G A I V K Q N P	
DNA: ATCCAAARGCAGTACAGAGGTGTGCTGAARAGATGATGTTAGCATGAT	204
M(32): S K E A V T E V C L K D D V S M	
DNA: CAAAACAGGCCCGCTATGTAAGAAATGCAACAGGAAGTTTTTCRAATAAA	255
M(49): K T E A R Y V R N A T G V F S N N	
DNA: TGTCGCAATAGGAAATGCTAGTCAGTCATGCTGATTTGAGGCCCTAA	306
M(66): V A I R K W L V S D W H D C R P K	
DNA: GAAGATCGTTGGGGACACATCATGTAATAGAAGTTGGTGTGACCTGTC	357
M(83): K I V G G H I N V I E V G D D L S	
DNA: ACTCCATRACTGAAATCATATGTTTCAGCCGCAAGATGTTACCATAGGTGTAGA	408
M(100): L H T E S Y V C S A D C T I G V D	
DNA: CAAAGAGACTGCACAGGTAGGCTTCAGACAGATACCACAAATCATTTGA	459
M(117): K E T A Q V R L Q T D T T N H F E	
DNA: AATTGCAGGCACACTGTGAAGTCAGGATGGTCAAGAGCACGACATATAAT	510
M(134): I A G T T V K S G W F K S T T Y I	
DNA: AACTCTTGTACAACTTSGGRACACCTTAAAGTTCCAGGGGCCAAATAC	561
M(151): T L D Q T C E H L R V S C G P K S	
DNA: TGTCAGTGTCCATGCCCTCTCAATCAGCATATGCTTGCGCTCAGATT	612
M(168): V Q F H A C F N Q R M S C V R F L	
DNA: ACACAGGACAATATTGCCCTGGCTCTAGCCAAATCCATATGTCAGAAATAT	663
M(185): H R T I L P G S I A N S I C Q N I	
DNA: CGAAATCTAAATTAGTACACTTACTCTTAAATCTTATATTGTTAG	714
M(202): E I I I L V T L T L L I F I L S	
DNA: CATTTTAGTAAAGCTTAAJATGTTATTTAAATGCCCTATATGTCATCCC	765
M(219): I L S K T Y I C Y L L M E I F I P	
DNA: CATAGCATATATAACGGTATAATTACATAACTGCTGCAAAAAATGCA	816
M(236): I A Y I Y G I Y N K S C K K C K	
DNA: ATTATGTGGCTTAGTGTATCATCCATTACRAGTGTGGCACRCATGTGT	867
M(253): L C G L V Y H P F T E C G T H C V	
DNA: CTGTGGTGGCCGCTATGACTTCAGATGAAATGCAATGAGCTTC	918
M(270): C G A R Y D T S D R M K L H R A S	
DNA: TGGATTGGCCCTGGTTAAAGCTARGAGCTGCCAGAGTCATGTGCAA	969
M(287): G L C P G Y K S L R A A R / V M C K	

(57) Abstract: Immunogenic compositions for use in treating, preventing and diagnosing infection caused by the California (CAL) serotype of the genus *Bunyavirus*, such as La Crosse virus (LACV), are disclosed. Also described are reagents for use in diagnostic assays.

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